



## ABTI-GM1

# ABTI-GM1

### GM CLASS II INTERFACE FOR HANDSFREE BLUETOOTH CAR KITS

The ABTI-GM1 is designed to integrate a Handsfree Bluetooth Car Kit into General Motors vehicles that have the Class II data system. The OEM radio will mute when a call comes in and the audio will be heard through the front speakers. The ABTI-GM1 is Plug-N-Play for the Motorola IHF1000 and Parrot car kits, and it can be used with other car kits with modifications.

**\* READ IMPORTANT WARNING ON PAGE 1 BEFORE ATTEMPTING ANY INSTALLATION**

#### APPLICATIONS:

##### BUICK

Allure	2005-07
Century	2004-05
Lacrosse	2005-08
Regal	2004
Rendezvous	2002-07

##### CADILLAC

Escalade/EXT	2003-06
Avalanche	2003-06
Blazer	2003-05
Cavalier	2003-05
Colorado	2004-08
Equinox	2005-06
Express Van	2003-07
Impala	2002-05
Malibu (Classic)	2001-04
Monte Carlo	2002-05
S-10	2003-05
Silverado (Classic)	2003-07
SSR	2003-06

##### CHEVROLET

Avalanche	2003-06
Blazer	2003-05
Cavalier	2003-05
Colorado	2004-08
Equinox	2005-06
Express Van	2003-07
Impala	2002-05
Malibu (Classic)	2001-04
Monte Carlo	2002-05
S-10	2003-05
Silverado (Classic)	2003-07
SSR	2003-06

##### CHEVROLET

Suburban	2003-06
Tahoe	2003-06
Trailblazer	2002-08
Uplander	2005-08
Venture Van	2000-05

##### GMC

Canyon	2004-08
Envoy	2002-08
Savanna Van	2003-07
Sierra (Classic)	2003-07
Sonoma	2003-05
Yukon	2003-06

##### HUMMER

H2	2003-07
H3	2006-08

##### ISUZU

Ascender	2003-06
I-Series Pickups	2006-08

##### OLDSMOBILE

Alero	2002-04
Bravada	2002-05
Intrigue	2002
Silhouette	2001-04

##### PONTIAC

Aztec	2002-05
Grand Am	2002-05
Grand Prix	2004-07
Montana	2002-05
Sunfire	2002-05
Torrent	2006

##### SATURN

Relay	2005-07
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1-800-221-0932



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**\* READ IMPORTANT WARNING BEFORE ATTEMPTING ANY INSTALLATION****\* IMPORTANT WARNING**

THIS PRODUCT INCLUDES INSTRUCTIONS FOR INSTALLATION WHICH MUST BE CAREFULLY FOLLOWED. THE INSTRUCTIONS ARE WORDED IN SUCH A MANNER TO ASSUME THAT THE INSTALLER IS CAPABLE OF COMPLETING THESE TYPE OF ELECTRONIC INSTALLATIONS. IF YOU ARE UNCLEAR AS TO WHAT YOU ARE INSTRUCTED TO DO OR BELIEVE THAT YOU DO NOT UNDERSTAND THE INSTRUCTIONS SO AS TO PROPERLY AND SAFELY COMPLETE THE INSTALLATION YOU SHOULD CONSULT A TECHNICIAN WHO DOES HAVE THIS KNOWLEDGE AND UNDERSTANDING.

FAILURE TO FOLLOW THESE INSTRUCTIONS CAREFULLY AND TO INSTALL THE INTERFACE AS DESCRIBED COULD CAUSE HARM TO THE VEHICLE OR TO SAFETY SYSTEMS ON THE VEHICLE. INTERFERENCE WITH CERTAIN SAFETY SYSTEMS COULD CAUSE HARM TO PERSONS AS WELL. IF YOU HAVE ANY QUESTIONS IN THIS REGARD PLEASE CALL THE HELP LINE OR THE METRA AT :

1-800-221-0932 FOR ASSISTANCE.

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## **INSTALLATION COMPONENTS**

- 1) ABTI-GM1 interface
- 2) ABTI-GM1 "T" harness
- 3) 8-Way connector to 8-Way connector harness
- 4) ISO to 8-way connector harness

## **TOOLS REQUIRED**

- 1) Tools to remove the OEM radio
- 2) Wire ties

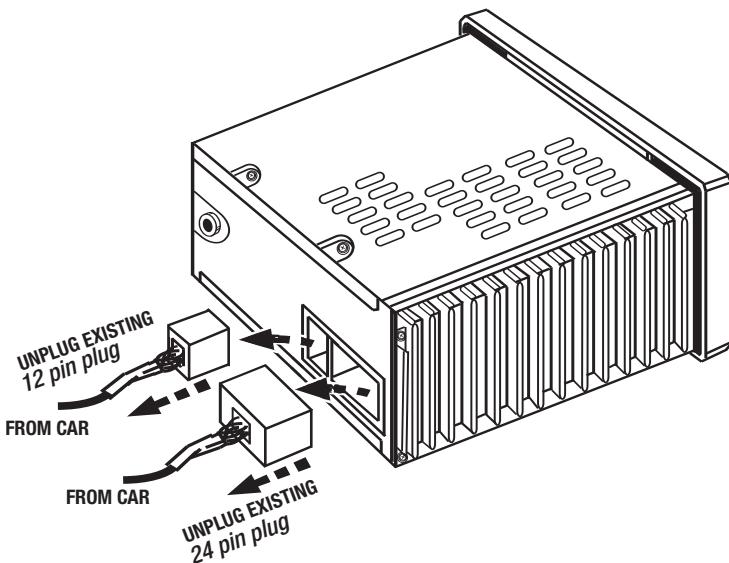
## **INSTALLING THE ABTI-GM1 WITH THE MOTOROLA IHF1000**

**Note: 8-Way to 8-Way connector harness is used in this application.**

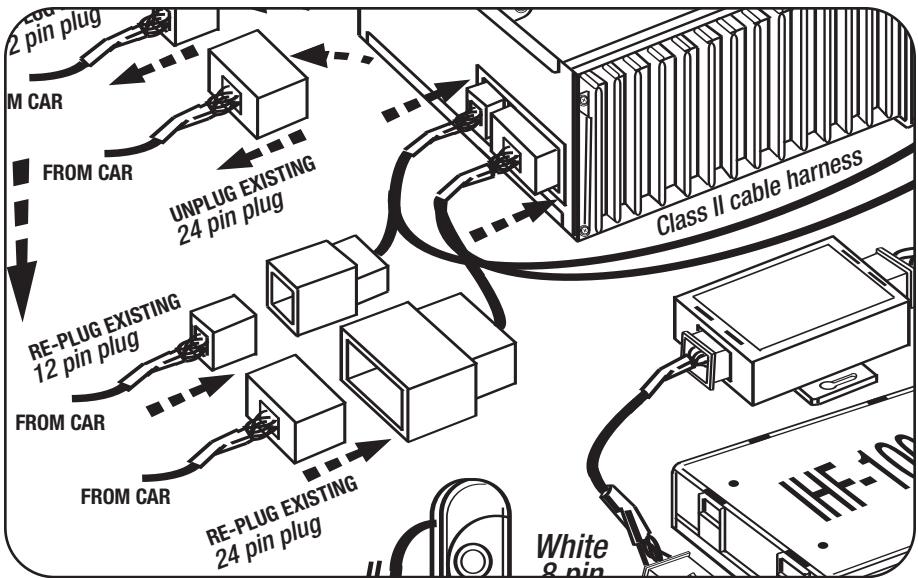
**NOTE: The ISO to 8 way connector harness will NOT be used in this application.**

## **INSTALLATION PROCEDURE**

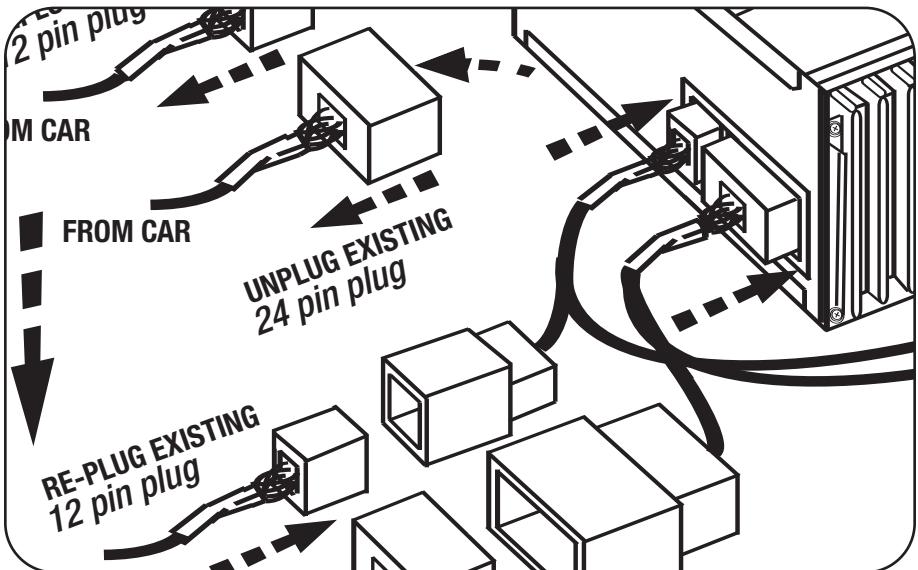
- 1) Disconnect the vehicle battery.
- 2) Remove the radio from the dashboard, and disconnect any cables connected to the radio.



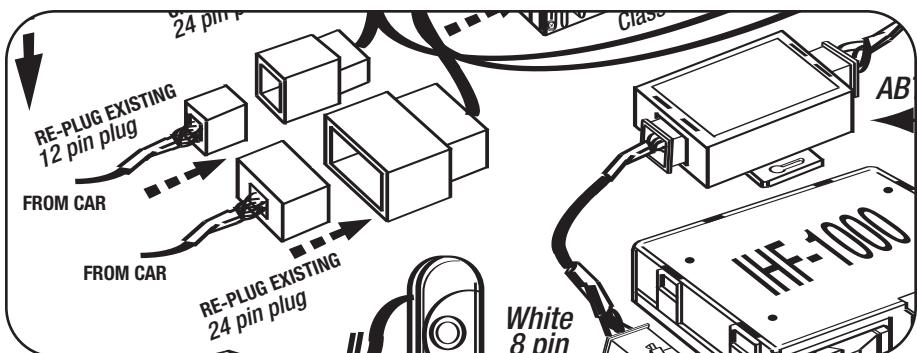
3) Insert the 24 pin plug on the Class 2 cable into the rear of the radio.



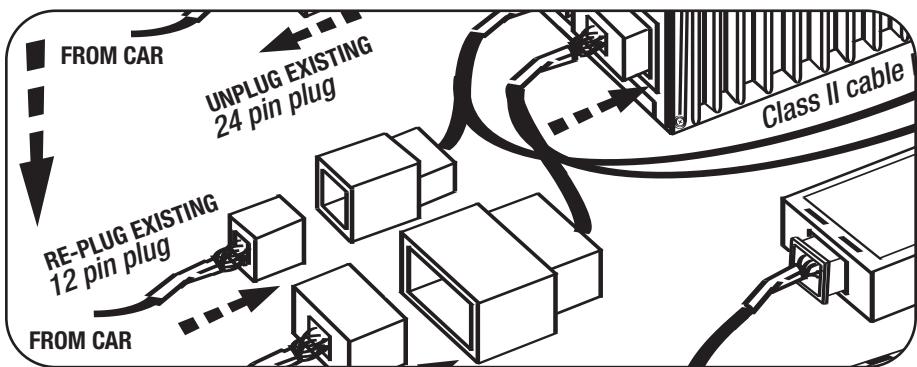
4) Insert the 12 pin plug on the Class 2 cable into the rear of the radio.



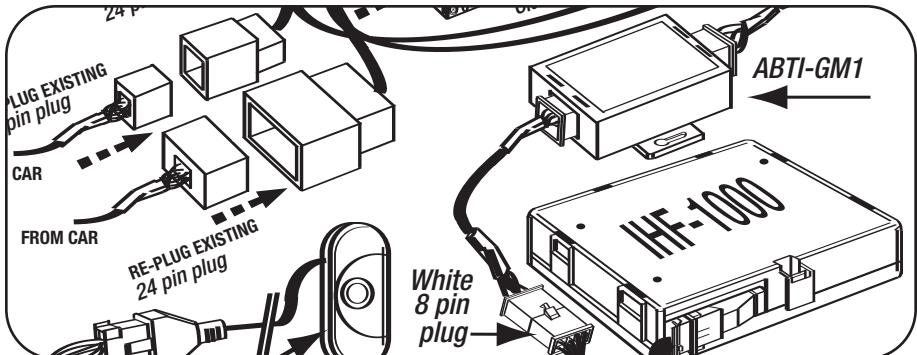
5) Connect the 24 pin cap on the Class 2 cable to the 24 pin plug connected to the vehicle (the connector that was removed from the back of the radio).



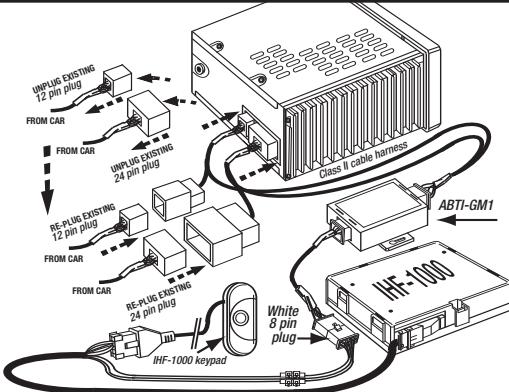
6) Connect the 12 pin cap on the Class 2 cable to the 12 pin plug connected to the vehicle (the connector that was removed from the back of the radio).



7) Connect the white 10-pin plug on the Class 2 cable to the ABTI-GM1 module.



- 8) Connect the white 8-pin plug on the IHF-1000 cable to the power cable, and connect the other end of the power cable to the ABTI-GM1 module.
- 9) Install the IHF-1000 keypad on the dashboard of the vehicle, and route the wire to the IHF-1000 harness. Attach the keypad connector to the harness.



- 10) Install the IHF-1000 microphone in an appropriate location (see IHF-1000 instructions), route the wire to the IHF-1000 harness, and attach the microphone connector to the harness.
- 11) Secure all components, and reinstall the radio.
- 12) Reconnect the vehicle battery.

## **OPERATION**

Refer to the Motorola IHF1000 manual for operation. Adjust the volume of the handsfree kit by turning the volume knob of the radio. Audio from any source will be muted when a call comes in or a call is made.

## **INSTALLING THE ABTI-GM1 WITH PARROT HANDSFREE CAR KITS**

***\*Note: The ISO to 8 way connector harness will be used in this application.***

***\*Note: The 8 way to 8 way connector harness will NOT be used in this application.***

**Compatible Parrot kits:** CK3000, CK3000 Evolution, CK3100, CK3300, CK3500, 3200LS, 3400LS-GPS, MK6000, MK6100

***(Installation will be the same as the Motorola Handsfree kit steps 1-7)***

- 8) Plug the 8 way side of the ISO to 8 way harness into the 8 way connector on the ABTI-GM1.



- 9) Plug the ISO side of the ISO to 8 way harness into the mating Parrot connectors.
- 10) Take the Mute wire of the Parrot kit and plug it into the "Mute 1" wire in the Parrot ISO harness.
- 11) Finish installing the rest of the Parrot handsfree kit and reinstall the OEM radio.
- 12) Reconnect the vehicles battery.

## **OPERATION**

Refer to the Parrot manual for operation. Adjust the volume of the handsfree kit by turning the volume knob of the radio. Audio from any source will be muted when a call comes in or a call is made.

## **OTHER HANDSFREE KITS**

***Other handsfree kits can be used with the ABTI-GM1. Follow the steps below to wire the handsfree kit:***

- 1) Using the ISO to 8 way connector harness cut the ISO ends off.
- 2) The **Yellow** wire will go to the Battery wire of the handsfree kit.
- 3) The **Red** wire will go to the 12 volt accessory wire of the handsfree kit.
- 4) The **Black** wire will go to the ground of the handsfree kit.
- 5) The **Purple** wire will go to the Mute wire of the handsfree kit.
- 6) The **White** wire will go to the (+) speaker output of the handsfree kit.
- 7) The **White/Black** wire will go to the (-) speaker output of the handsfree kit.

***Handsfree kits may have more then one speaker output on their harnesses however the ABTI-GM1 needs only one speaker output to use.***

## **ABTI-GM1 INSTRUCTIONS**



**1-800-221-0932**



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